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states:(71) Applicant: **SONY CORP**(72) Inventor: **KAMEYAMA TAKASHI**

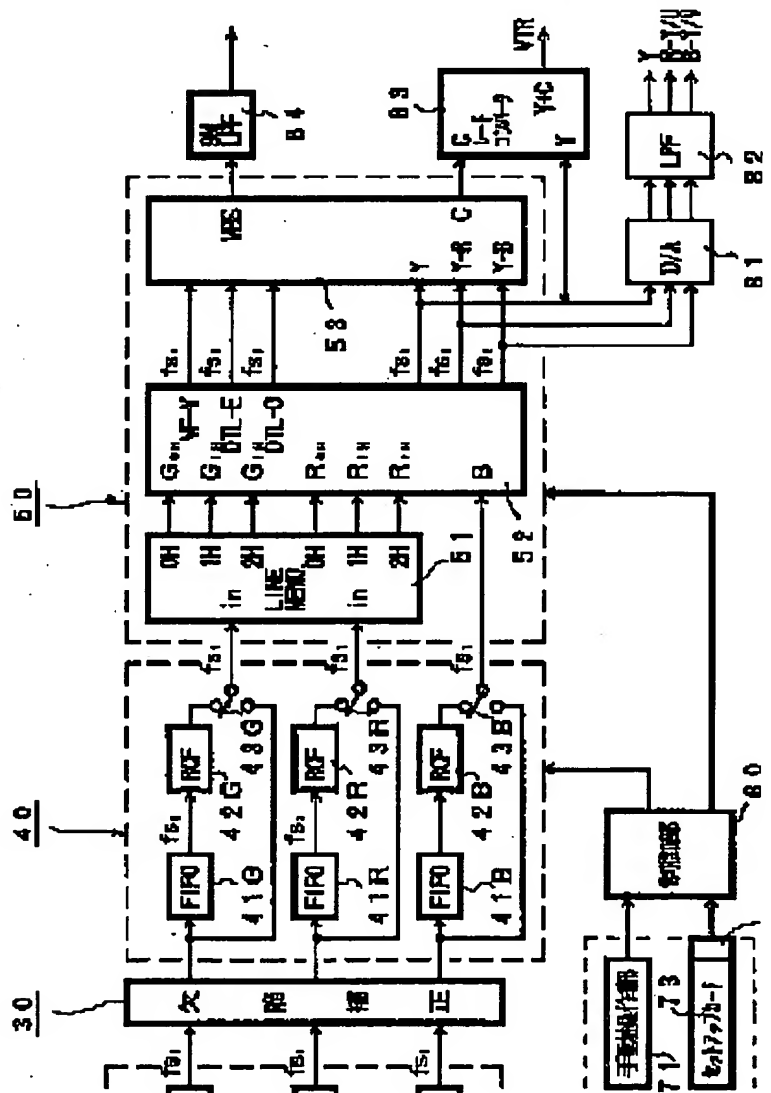
(74) Representative:

**(54) IMAGE PICKUP  
DEVICE**

(57) Abstract:

**PURPOSE:** To execute image pickup operation under a proper condition by controlling a switchable aspect ratio conversion processing part and a picture processing part in accordance with an aspect ratio specified by an aspect ratio specifying means.

**CONSTITUTION:** A defect correction processing part 30 executes the defect correction processing of respective CCD image sensors 10A, 10G, 10B about respective color picture data supplied from a preprocessing part 20 and outputs respective correction results to an aspect ratio conversion processing part 40. Respective time base conversion parts 41R, 41G, 41B in the processing part 40 write input picture data with a 1st aspect ratio (16:9), i.e., respective color picture data digitized by respective A/D converters 22R, 22G, 22B, in



an FIFO memory at the writing clock of a 1st sampling rate. When the picture data are read out from the memory at the reading clock of a 2nd sampling rate, a picture frame of 4:3 is segmented from a picture frame of 16:9, so that 4/3 multiple time base expansion processing for outputting 4:3 picture data at the 2nd sampling rate is executed.

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Title: **JP8279947A2: IMAGE PICKUP DEVICE**

Country: **JP Japan**  
Kind: **A**

Inventor(s): **KAMEYAMA TAKASHI**

Applicant/Assignee: **SONY CORP**  
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Priority Number(s): **April 7, 1995 JP1995000082992**

Abstract



**Purpose:** To execute image pickup operation under a proper condition by controlling a switchable aspect ratio conversion processing part and a picture processing part in accordance with an aspect ratio specified by an aspect ratio specifying means.

**Constitution:** A defect correction processing part 30 executes the defect correction processing of respective CCD image sensors 10A, 10G, 10B about respective color picture data supplied from a preprocessing part 20 and outputs respective correction results to an aspect ratio conversion processing part 40. Respective time base conversion parts 41R, 41G, 41B in the processing part 40 write input picture data with a 1st aspect ratio (16:9), i.e., respective color picture data digitized by respective A/D converters 22R, 22G, 22B, in an FIFO memory at the writing clock of a 1st sampling rate. When the picture data are read out from the memory at the reading clock of a 2nd sampling rate, a picture frame of 4:3 is segmented from a picture frame of 16:9, so that 4/3 multiple time base expansion processing for outputting 4:3 picture data at the 2nd sampling rate is executed. COPYRIGHT: (C)1996,JPO

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Other Abstract Info: **DERABS G97-009667 DERG97-009667**

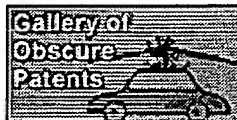
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